

IN THE CLAIMS

Please amend the claims as follows:

Claim 1-17 (canceled)

Claim 18 (new): A unit-type heat exchangers comprising:

a plurality of heat exchange portions each comprising two headers arranged in parallel to each other and spaced apart, a plurality of heat exchange tubes arranged in parallel to each other and joined at opposite ends thereof to the two headers, and a plurality of fins disposed in air passing spaces between the heat exchange tubes, respectively, the heat exchange portions being arranged longitudinally of the headers;

a plurality of connectors connecting adjacent ones of the heat exchanging portions via the headers, each of the connectors having a plurality of recessed portions at opposite side thereof, the recessed portions being configured to be fitted with ends of the headers, respectively; and

at least one separating plate disposed between adjacent ones of the heat exchanging portions and arranged parallel to the heat exchange tubes, the separating plate having opposite ends each in contact with respective ones of the connectors.

Claim 19 (new): A unit-type heat exchanger according to claim 18, wherein the air passing spaces in each of the heat exchange portions have a spacing equal to each other, the at least one separating plate forms at least two spacings sandwiched between the heat exchange tubes of adjacent ones of the heat exchange portions, and each of the at least two spacing formed by the at least one separating plate is equal to at least one of the spacing of the air passing spaces in the adjacent ones of the heat exchange portions and has a fin disposed therein.

Claim 20 (new): A unit-type heat exchanger according to claim 18, wherein each of the recessed portions in each of the connectors has a peripheral wall having a high portion

and a low portion such that the low portion is positioned not to interfere with arrangement of the heat exchange tubes, and the high portion extends greater than the low portion in height as measured from a bottom surface of each of the recessed portions.

Claim 21 (new): A unit-type heat exchanger according to claim 20, wherein the high portion of the peripheral wall in each of the recessed portions has a height of at least 10 mm as measured from the bottom surface of each of the recessed portions.

Claim 22 (new): A unit-type heat exchanger according to claim 20, wherein the low portion of the peripheral wall of each of the recessed portions has a small height of at least 5 mm as measured from the bottom surface of each of the recessed portions.

Claim 23 (new): A unit-type heat exchanger according to claim 20, wherein the high portion of the peripheral wall of each of the recessed portions has opposite edges which are positioned symmetrically about a plane extending through the center of each of the recessed portions and extending longitudinally of the heat exchange tubes, and lines connecting the center of each of the recessed portions to the opposite edges make an angle of 180 degree therebetween.

Claim 24 (new): A unit-type heat exchanger according to claim 20, wherein the high portion of the peripheral wall of each of the recessed portions has opposite edges which are positioned symmetrically about a plane extending through the center of each of the recessed portions and extending longitudinally of the heat exchange tubes, and lines connecting the center of each of the recessed portions to the opposite edges make an angle of 120 degree therebetween.

Claim 25 (new): A unit-type heat exchanger according to claim 18, wherein the recessed portions of each of the connectors are different in size, and the headers of adjacent ones of the heat exchange portions are different in cross sectional size.

Claim 26 (new): A unit-type heat exchanger according to claim 18, wherein center lines of the recessed portions of each of the connectors are out of alignment with each other, and center lines of the headers of adjacent ones of the heat exchange portions are out of alignment with each other.

Claim 27 (new): A unit-type heat exchanger according to claim 18, wherein each of the recessed portions in each of the connectors has a projection formed on an inner peripheral surface thereof, a peripheral wall of each of the headers has a cutout formed in an end portion thereof, and the cutout in the peripheral wall of each of the headers is configured to fit the projection formed in each of the recessed portions therein.

Claim 28 (new): A unit-type heat exchanger according to claim 18, wherein the plurality of heat exchange portions comprises two heat exchange portions, one of the two heat exchange portions comprises a condenser, and the other one of the two heat exchange portions comprises an oil cooler.

Claim 29 (new): A unit-type heat exchanger according to claim 18, wherein the plurality of heat exchange portions comprises three heat exchange portions, one of the three heat exchange portions comprises a condenser, the other two heat exchange portions comprise oil coolers, and the oil coolers are configured to cool oils for different uses.

Claim 30 (new): A unit-type heat exchangers comprising:
a plurality of heat exchange portions each comprising two headers arranged in parallel to each other and spaced apart, a plurality of heat exchange tubes arranged in parallel to each other and joined at opposite ends thereof to the two headers, and a plurality of fins disposed in air passing spaces between the heat exchange tubes, respectively, the heat exchange portions being arranged longitudinally of the headers;

a plurality of connectors connecting adjacent ones of the heat exchanging portions via the headers, each of the connectors having a plurality of recessed portions at opposite side

thereof, the recessed portions being configured to be fitted with ends of the headers, respectively; and

at least one separating plate disposed between adjacent ones of the heat exchanging portions and arranged parallel to the heat exchange tubes, the separating plate having opposite end portions each tapered toward respective ones of the connectors with a decreasing width.

Claim 31 (new): A unit-type heat exchanger according to claim 30, wherein the air passing spaces in each of the heat exchange portions have a spacing equal to each other, the at least one separating plate forms at least two spacings sandwiched between the heat exchange tubes of adjacent ones of the heat exchange portions, and each of the at least two spacing formed by the at least one separating plate is equal to at least one of the spacing of the air passing spaces in the adjacent ones of the heat exchange portions and has a fin disposed therein.

Claim 32 (new): A unit-type heat exchanger according to claim 30, wherein each of the recessed portions in each of the connectors has a peripheral wall having a high portion and a low portion such that the low portion is positioned not to interfere with arrangement of the heat exchange tubes, and the high portion extends greater than the low portion in height as measured from a bottom surface of each of the recessed portions.

Claim 33 (new): A unit-type heat exchanger according to claim 32, wherein the high portion of the peripheral wall in each of the recessed portions has a height of at least 10 mm as measured from the bottom surface of each of the recessed portions.

Claim 34 (new): A unit-type heat exchanger according to claim 32, wherein the low portion of the peripheral wall of each of the recessed portions has a small height of at least 5 mm as measured from the bottom surface of each of the recessed portions.

Claim 35 (new): A unit-type heat exchanger according to claim 32, wherein the high portion of the peripheral wall of each of the recessed portions has opposite edges which are positioned symmetrically about a plane extending through the center of each of the recessed portions and extending longitudinally of the heat exchange tubes, and lines connecting the center of each of the recessed portions to the opposite edges make an angle of 180 degree therebetween.

Claim 36 (new): A unit-type heat exchanger according to claim 32, wherein the high portion of the peripheral wall of each of the recessed portions has opposite edges which are positioned symmetrically about a plane extending through the center of each of the recessed portions and extending longitudinally of the heat exchange tubes, and lines connecting the center of each of the recessed portions to the opposite edges make an angle of 120 degree therebetween.

Claim 37 (new): A unit-type heat exchanger according to claim 30, wherein the recessed portions of each of the connectors are different in size, and the headers of adjacent ones of the heat exchange portions are different in cross sectional size.

Claim 38 (new): A unit-type heat exchanger according to claim 30, wherein center lines of the recessed portions of each of the connectors are out of alignment with each other, and center lines of the headers of adjacent ones of the heat exchange portions are out of alignment with each other.

Claim 39 (new): A unit-type heat exchanger according to claim 30, wherein each of the recessed portions in each of the connectors has a projection formed on an inner peripheral surface thereof, a peripheral wall of each of the headers has a cutout formed in an end portion thereof, and the cutout in the peripheral wall of each of the headers is configured to fit the projection formed in each of the recessed portions therein.

Claim 40 (new): A unit-type heat exchanger according to claim 30, wherein the plurality of heat exchange portions comprises two heat exchange portions, one of the two heat exchange portions comprises a condenser, and the other one of the two heat exchange portions comprises an oil cooler.

Claim 41 (new): A unit-type heat exchanger according to claim 30, wherein the plurality of heat exchange portions comprises three heat exchange portions, one of the three heat exchange portions comprises a condenser, the other two heat exchange portions comprise oil coolers, and the oil coolers are configured to cool oils for different uses.

Claim 42 (new): A unit-type heat exchangers comprising:

a plurality of heat exchange portions each comprising two headers arranged in parallel to each other and spaced apart, a plurality of heat exchange tubes arranged in parallel to each other and joined at opposite ends thereof to the two headers, and a plurality of fins disposed in air passing spaces between the heat exchange tubes, respectively, the heat exchange portions being arranged longitudinally of the headers;

a plurality of connectors connecting adjacent ones of the heat exchanging portions via the headers, each of the connectors having a plurality of recessed portions at opposite side thereof, the recessed portions being configured to be fitted with ends of the headers, respectively; and

at least one separating plate disposed between adjacent ones of the heat exchanging portions and arranged parallel to the heat exchange tubes,

the separating plate has opposite end portions each provided with a protrusion on each of opposite surfaces thereof.

Claim 43 (new): A unit-type heat exchanger according to claim 42, wherein the air passing spaces in each of the heat exchange portions have a spacing equal to each other, the at least one separating plate forms at least two spacings sandwiched between the heat

exchange tubes of adjacent ones of the heat exchange portions, and each of the at least two spacing formed by the at least one separating plate is equal to at least one of the spacing of the air passing spaces in the adjacent ones of the heat exchange portions and has a fin disposed therein.

Claim 44 (new): A unit-type heat exchanger according to claim 42, wherein each of the recessed portions in each of the connectors has a peripheral wall having a high portion and a low portion such that the low portion is positioned not to interfere with arrangement of the heat exchange tubes, and the high portion extends greater than the low portion in height as measured from a bottom surface of each of the recessed portions.

Claim 45 (new): A unit-type heat exchanger according to claim 44, wherein the high portion of the peripheral wall in each of the recessed portions has a height of at least 10 mm as measured from the bottom surface of each of the recessed portions.

Claim 46 (new): A unit-type heat exchanger according to claim 44, wherein the low portion of the peripheral wall of each of the recessed portions has a small height of at least 5 mm as measured from the bottom surface of each of the recessed portions.

Claim 47 (new): A unit-type heat exchanger according to claim 44, wherein the high portion of the peripheral wall of each of the recessed portions has opposite edges which are positioned symmetrically about a plane extending through the center of each of the recessed portions and extending longitudinally of the heat exchange tubes, and lines connecting the center of each of the recessed portions to the opposite edges make an angle of 180 degree therebetween.

Claim 48 (new): A unit-type heat exchanger according to claim 44, wherein the high portion of the peripheral wall of each of the recessed portions has opposite edges which are positioned symmetrically about a plane extending through the center of each of the recessed portions and extending longitudinally of the heat exchange tubes, and lines connecting the

center of each of the recessed portions to the opposite edges make an angle of 120 degree therebetween.

Claim 49 (new): A unit-type heat exchanger according to claim 42, wherein the recessed portions of each of the connectors are different in size, and the headers of adjacent ones of the heat exchange portions are different in cross sectional size.

Claim 50 (new): A unit-type heat exchanger according to claim 42, wherein center lines of the recessed portions of each of the connectors are out of alignment with each other, and center lines of the headers of adjacent ones of the heat exchange portions are out of alignment with each other.

Claim 51 (new): A unit-type heat exchanger according to claim 42, wherein each of the recessed portions in each of the connectors has a projection formed on an inner peripheral surface thereof, a peripheral wall of each of the headers has a cutout formed in an end portion thereof, and the cutout in the peripheral wall of each of the headers is configured to fit the projection formed in each of the recessed portions therein.

Claim 52 (new): A unit-type heat exchanger according to claim 42, wherein the plurality of heat exchange portions comprises two heat exchange portions, one of the two heat exchange portions comprises a condenser, and the other one of the two heat exchange portions comprises an oil cooler.

Claim 53 (new): A unit-type heat exchanger according to claim 42, wherein the plurality of heat exchange portions comprises three heat exchange portions, one of the three heat exchange portions comprises a condenser, the other two heat exchange portions comprise oil coolers, and the oil coolers are configured to cool oils for different uses.

Claim 54 (new): A unit-type heat exchangers comprising:
a plurality of heat exchange portions each comprising two headers arranged in parallel to each other and spaced apart, a plurality of heat exchange tubes arranged in parallel to each

other and joined at opposite ends thereof to the two headers, and a plurality of fins disposed in air passing spaces between the heat exchange tubes, respectively, the heat exchange portions being arranged longitudinally of the headers;

a plurality of connectors connecting adjacent ones of the heat exchanging portions via the headers, each of the connectors having a plurality of recessed portions at opposite side thereof, the recessed portions being configured to be fitted with ends of the headers, respectively; and

at least one separating plate disposed between adjacent ones of the heat exchanging portions and arranged parallel to the heat exchange tubes, the separating plate has at least one hole or cutout portion between opposite end portions, the at least one hole or cutout portion being configured to reduce a contact area of the separating plate with the fin.

Claim 55 (new): A unit-type heat exchanger according to claim 54, wherein the air passing spaces in each of the heat exchange portions have a spacing equal to each other, the at least one separating plate forms at least two spacings sandwiched between the heat exchange tubes of adjacent ones of the heat exchange portions, each of the at least two spacing formed by the at least one separating plate is equal to at least one of the spacing of the air passing spaces in the adjacent ones of the heat exchange portions and has a fin disposed therein.

Claim 56 (new): A unit-type heat exchanger according to claim 54, wherein each of the recessed portions in each of the connectors has a peripheral wall having a high portion and a low portion such that the low portion is positioned not to interfere with arrangement of the heat exchange tubes, and the high portion extends greater than the low portion in height as measured from a bottom surface of each of the recessed portions.

Claim 57 (new): A unit-type heat exchanger according to claim 56, wherein the high portion of the peripheral wall in each of the recessed portions has a height of at least 10 mm as measured from the bottom surface of each of the recessed portions.

Claim 58 (new): A unit-type heat exchanger according to claim 56, wherein the low portion of the peripheral wall of each of the recessed portions has a small height of at least 5 mm as measured from the bottom surface of each of the recessed portions.

Claim 59 (new): A unit-type heat exchanger according to claim 56, wherein the high portion of the peripheral wall of each of the recessed portions has opposite edges which are positioned symmetrically about a plane extending through the center of each of the recessed portions and extending longitudinally of the heat exchange tubes, and lines connecting the center of each of the recessed portions to the opposite edges make an angle of 180 degree therebetween.

Claim 60 (new): A unit-type heat exchanger according to claim 56, wherein the high portion of the peripheral wall of each of the recessed portions has opposite edges which are positioned symmetrically about a plane extending through the center of each of the recessed portions and extending longitudinally of the heat exchange tubes, and lines connecting the center of each of the recessed portions to the opposite edges make an angle of 120 degree therebetween.

Claim 61 (new): A unit-type heat exchanger according to claim 54, wherein the recessed portions of each of the connectors are different in size, and the headers of adjacent ones of the heat exchange portions are different in cross sectional size.

Claim 62 (new): A unit-type heat exchanger according to claim 54, wherein center lines of the recessed portions of each of the connectors are out of alignment with each other, and center lines of the headers of adjacent ones of the heat exchange portions are out of alignment with each other.

Claim 63 (new): A unit-type heat exchanger according to claim 54, wherein each of the recessed portions in each of the connectors has a projection formed on an inner peripheral surface thereof, a peripheral wall of each of the headers has a cutout formed in an end portion thereof, and the cutout in the peripheral wall of each of the headers is configured to fit the projection formed in each of the recessed portions therein.

Claim 64 (new): A unit-type heat exchanger according to claim 54, wherein the plurality of heat exchange portions comprises two heat exchange portions, one of the two heat exchange portions comprises a condenser, and the other one of the two heat exchange portions comprises an oil cooler.

Claim 65 (new): A unit-type heat exchanger according to claim 54, wherein the plurality of heat exchange portions comprises three heat exchange portions, one of the three heat exchange portions comprises a condenser, the other two heat exchange portions comprise oil coolers, and the oil coolers are configured to cool oils for different uses.

Claim 66 (new): A vehicle comprising the unit-type heat exchanger according to any one of claims 18, 30, 42 or 54.